

FIG. 1  
DISK DRIVE OVERVIEW & COMPUTER INTERFACE

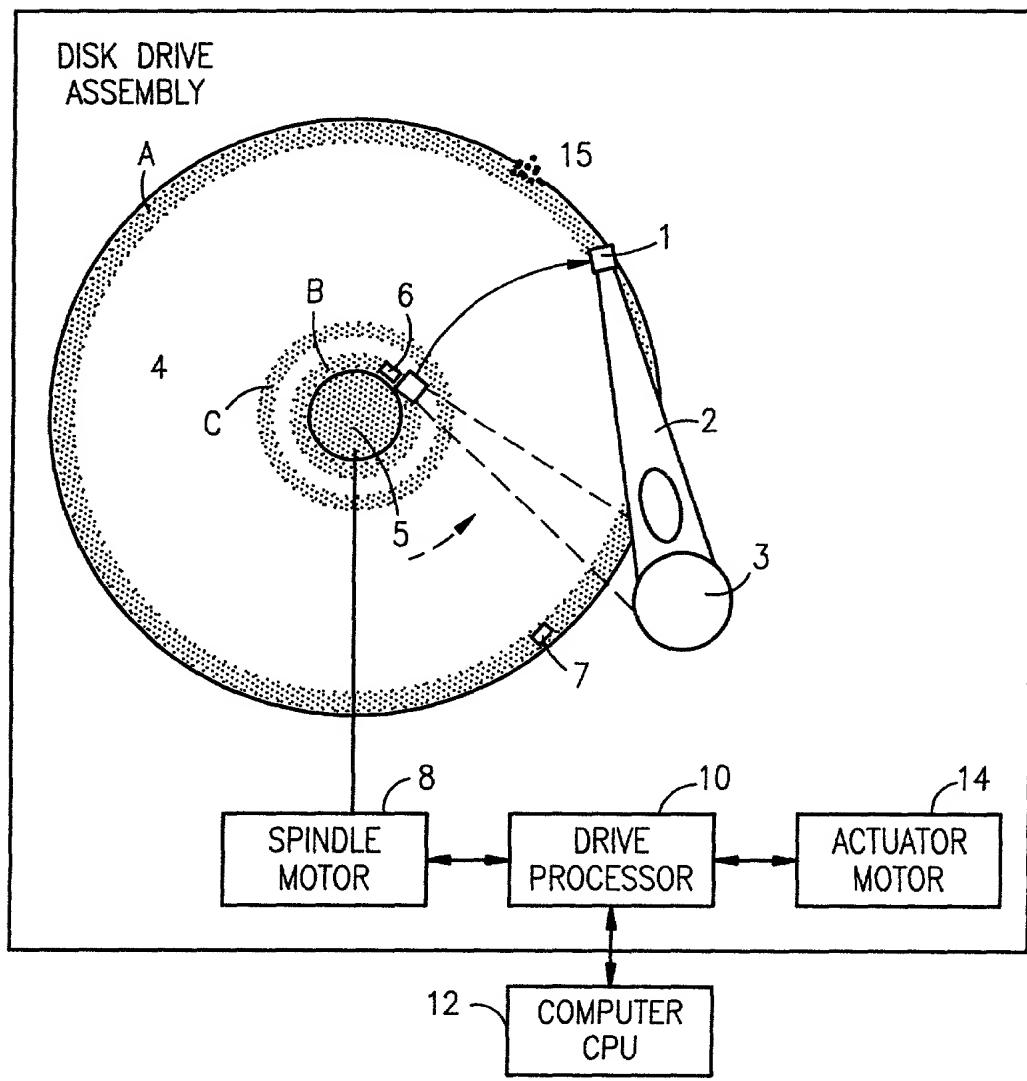


FIG. 2

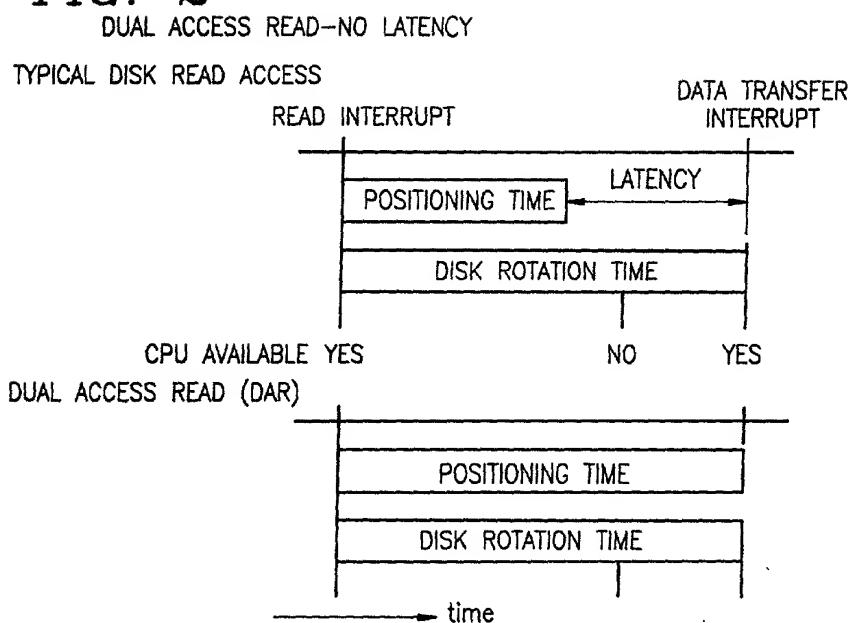
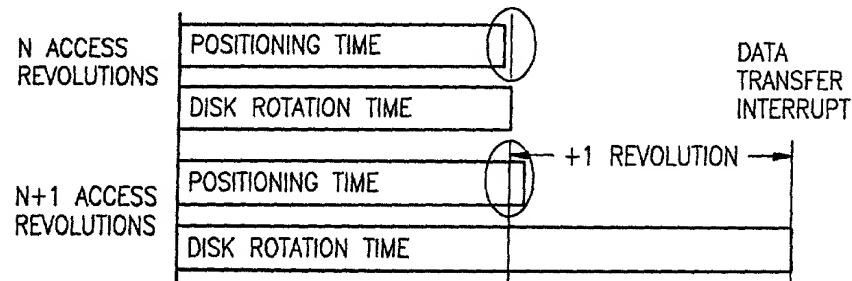


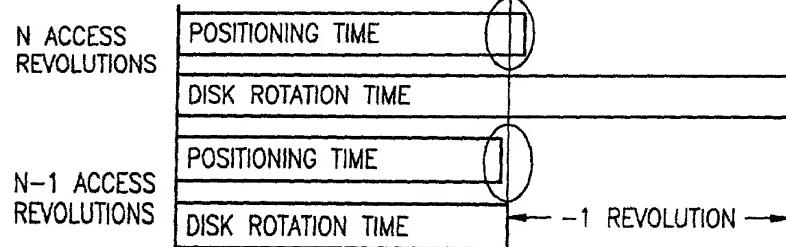
FIG. 3

AMPLIFYING POSITIONING VARIANCE-MEASURE REVOLUTION TIME

CASE 1 POSITIONING<ROTATION

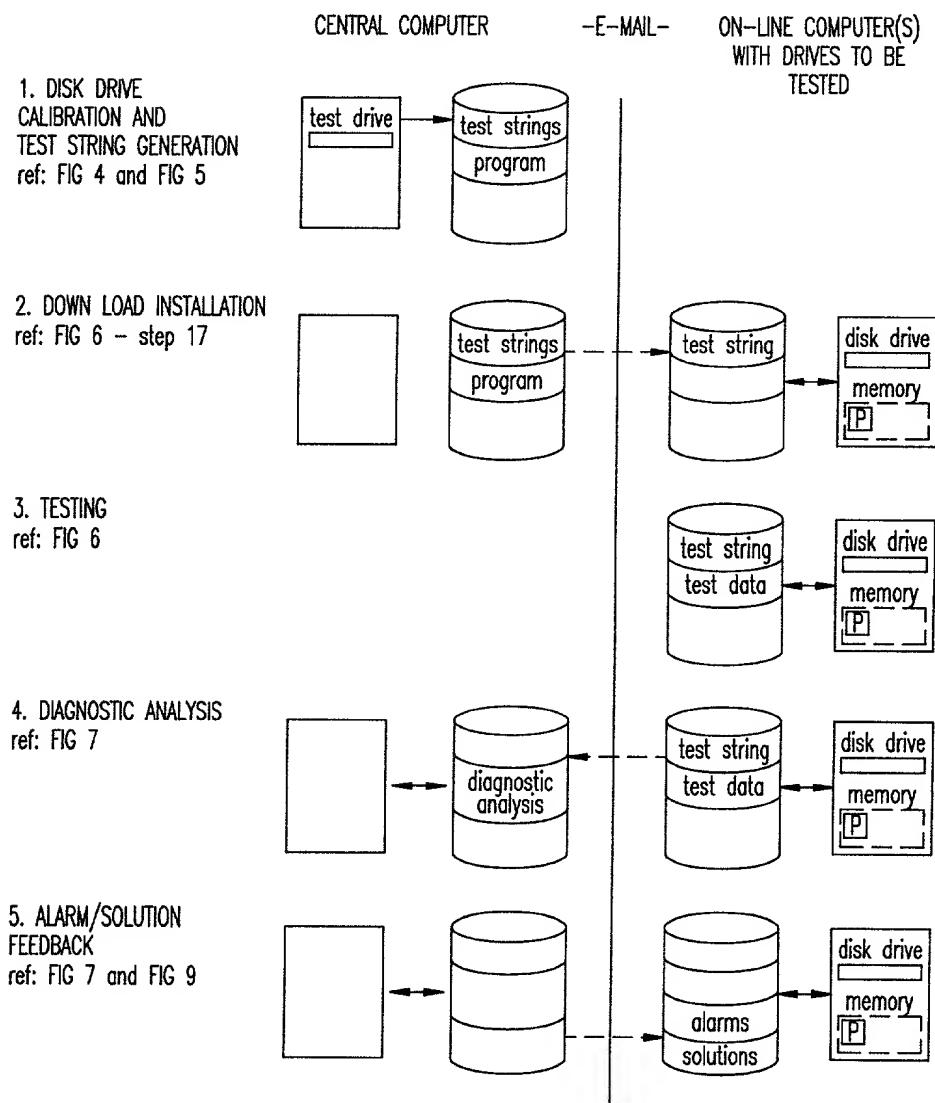


CASE 2 POSITIONING>ROTATION



**FIG. 3a PREFERRED EMBODIMENT**

FOR PROVIDERS OF WARRANTY SERVICE AND  
REPLACEMENT COMPUTER PRODUCTS



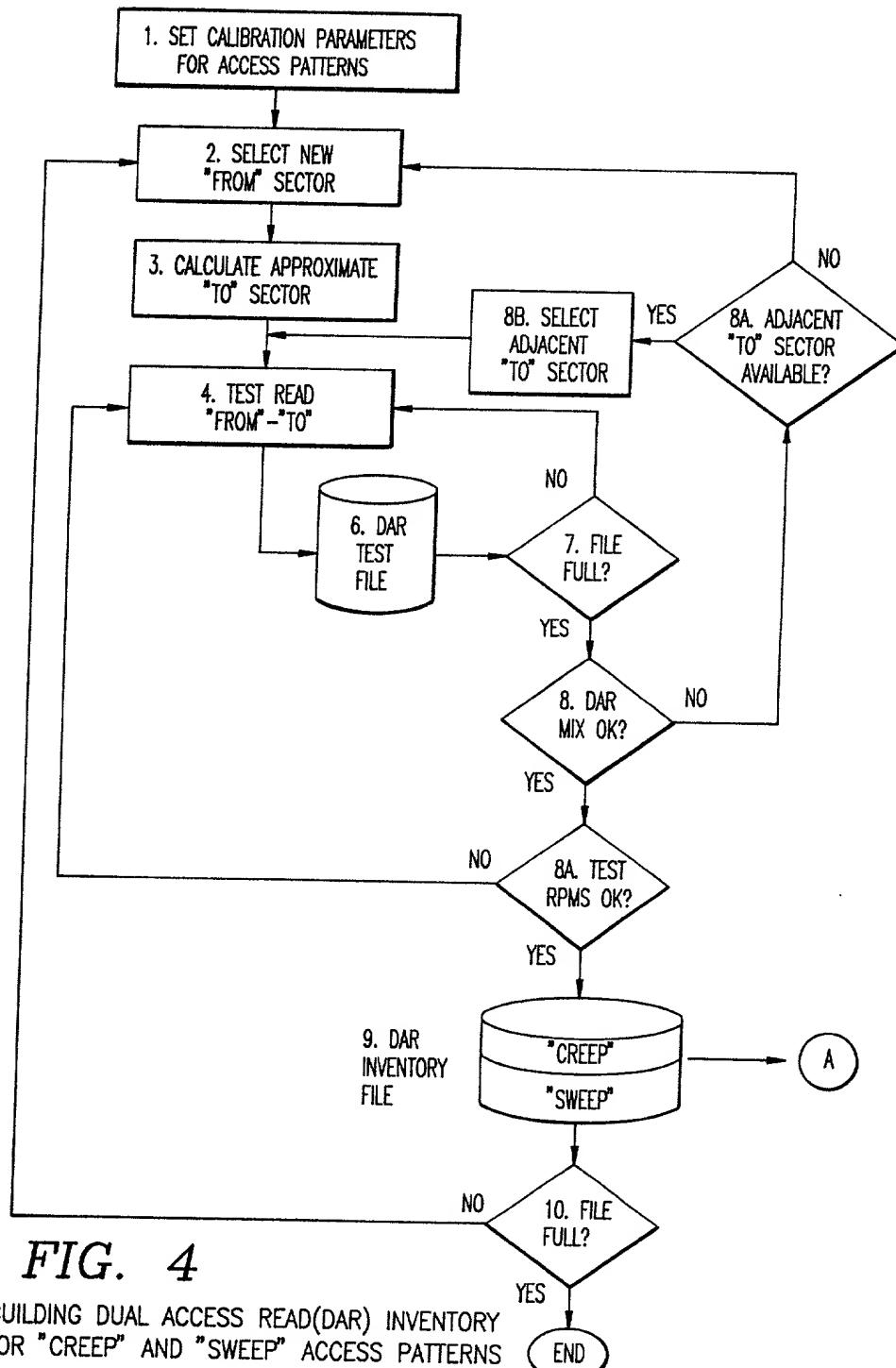


FIG. 5  
GENERATING AND CALIBRATING READ TEST STRINGS

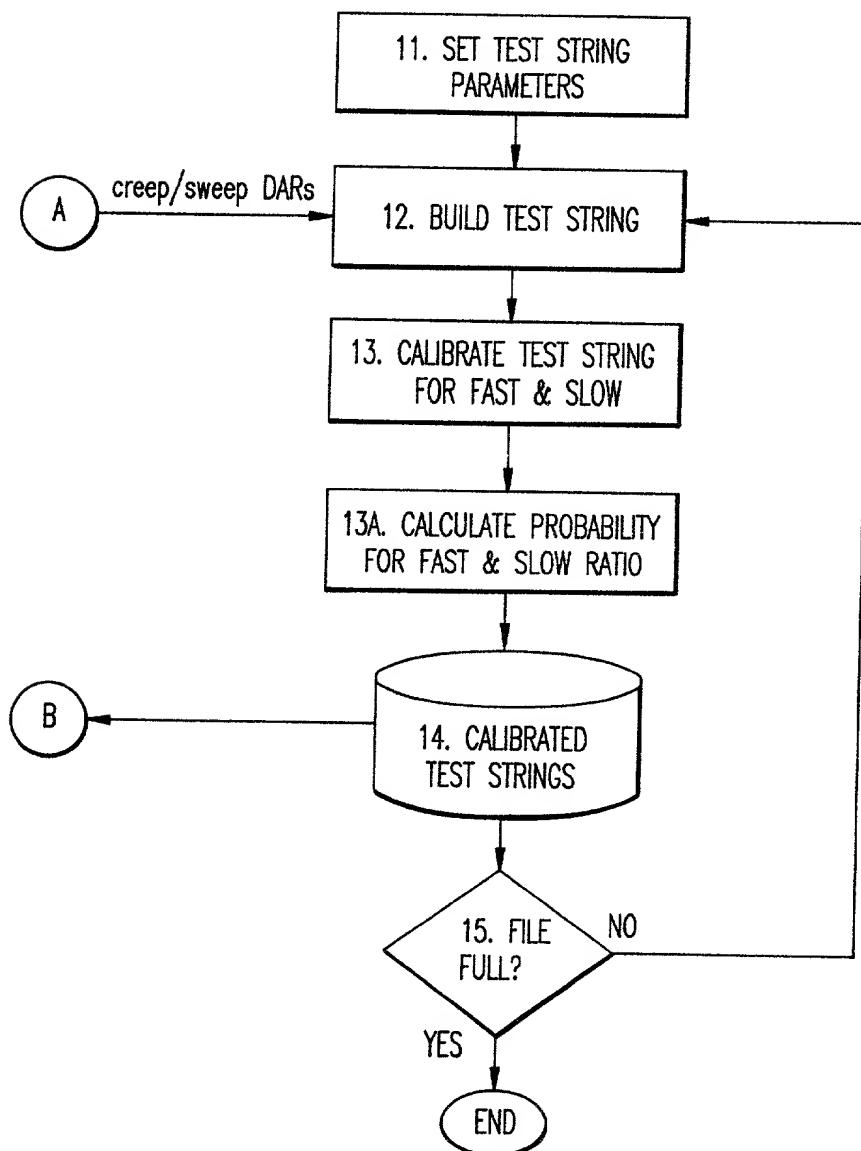
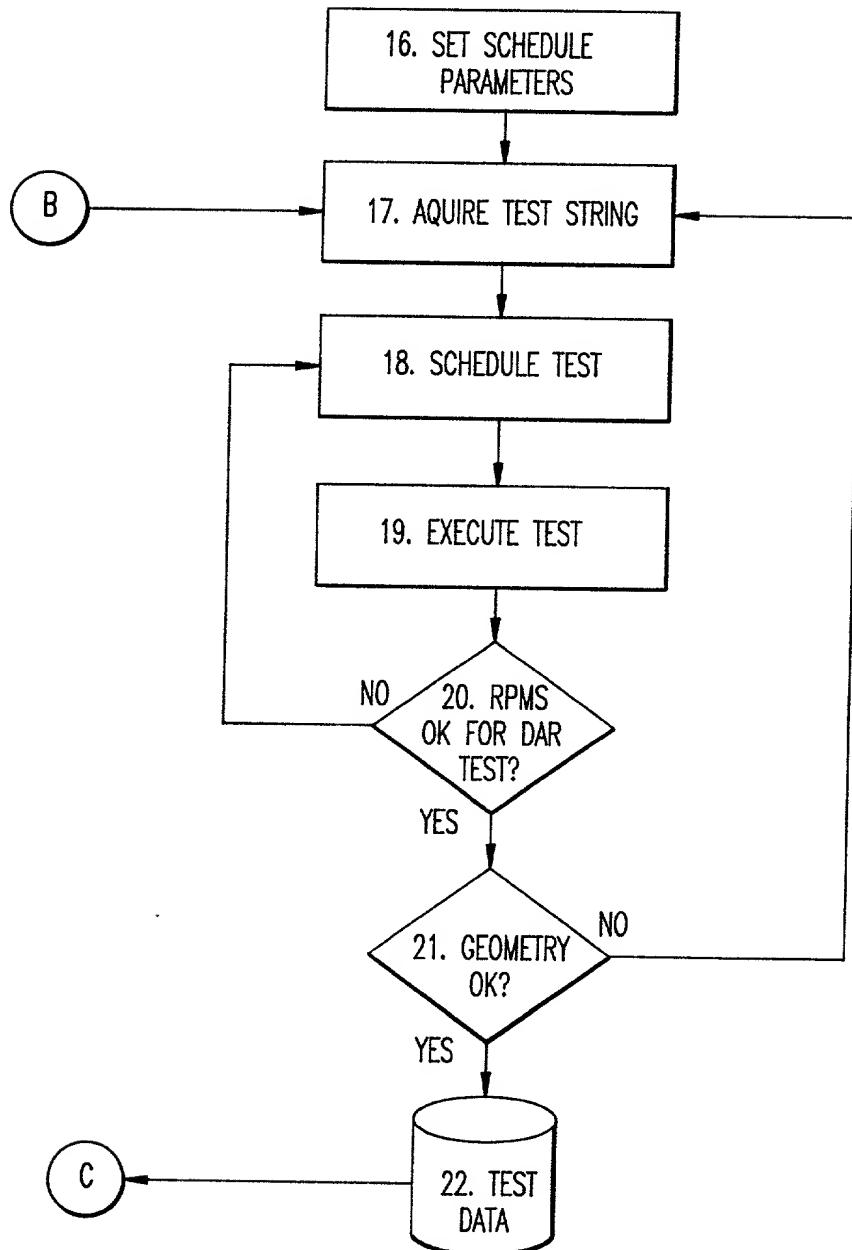
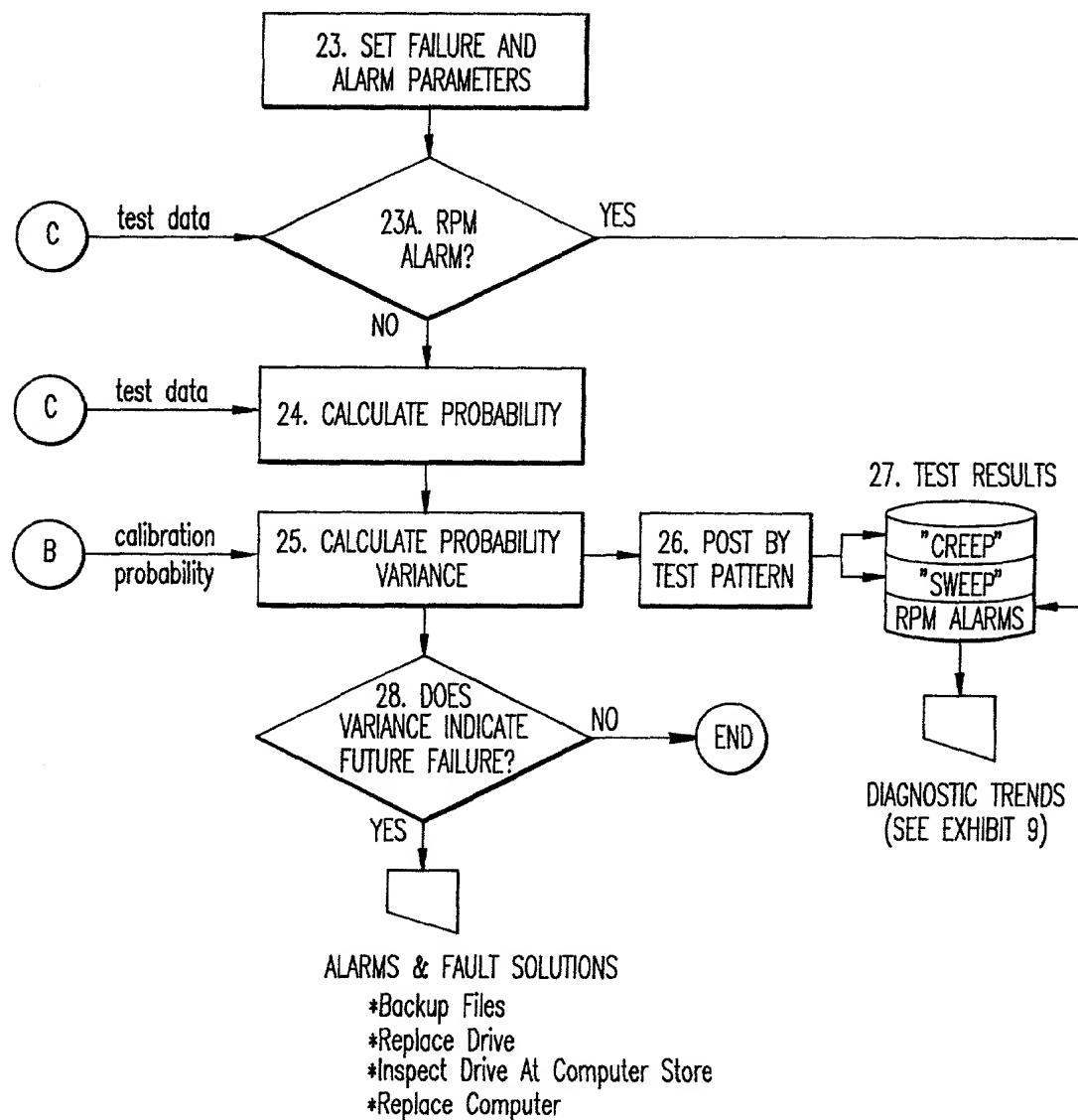


FIG. 6  
TEST DATA ACQUISITION

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

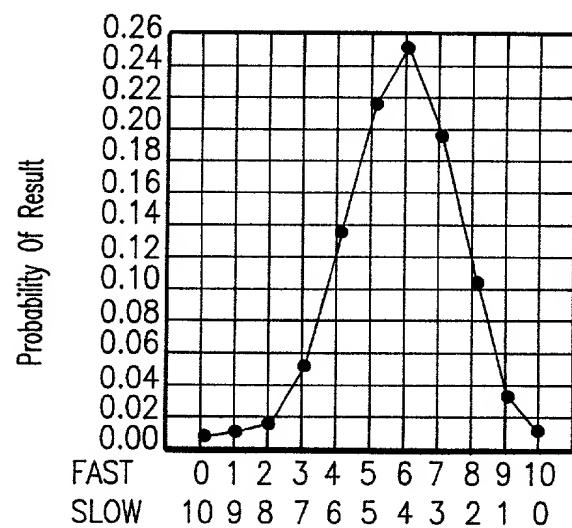


*FIG. 7*  
TEST ANALYSIS AND FAULT SOLUTIONS



*FIG. 8*

PROBABILITY OF 10-DAR MEASUREMENT  
READ CALIBRATION: 58% FAST, 42% SLOW

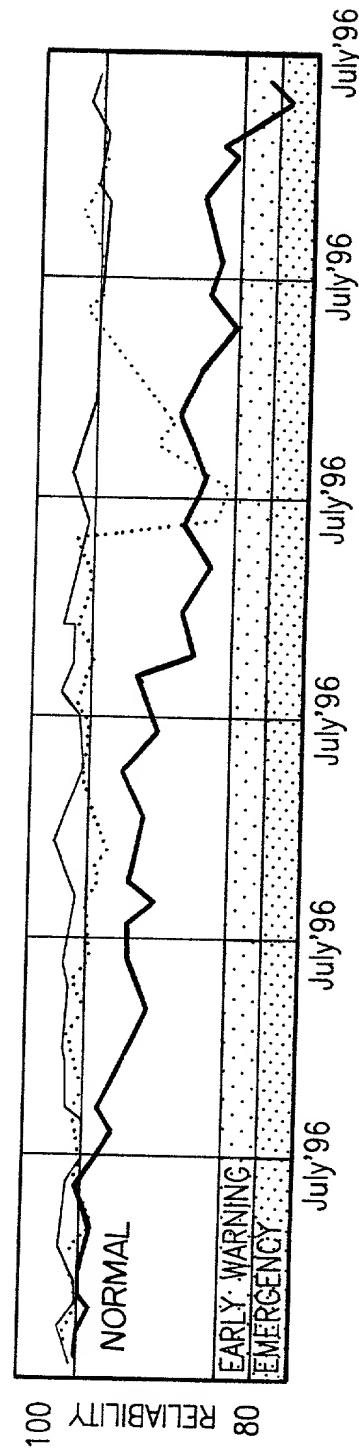


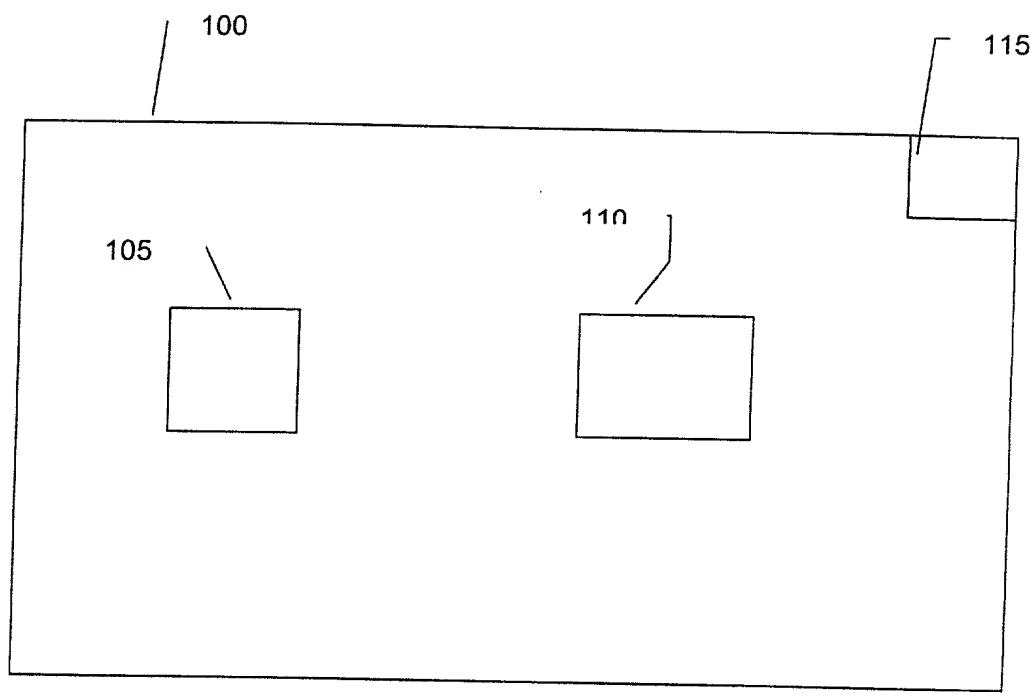
The probability sum of the 11 possible outcomes is 100%

FIG. 9

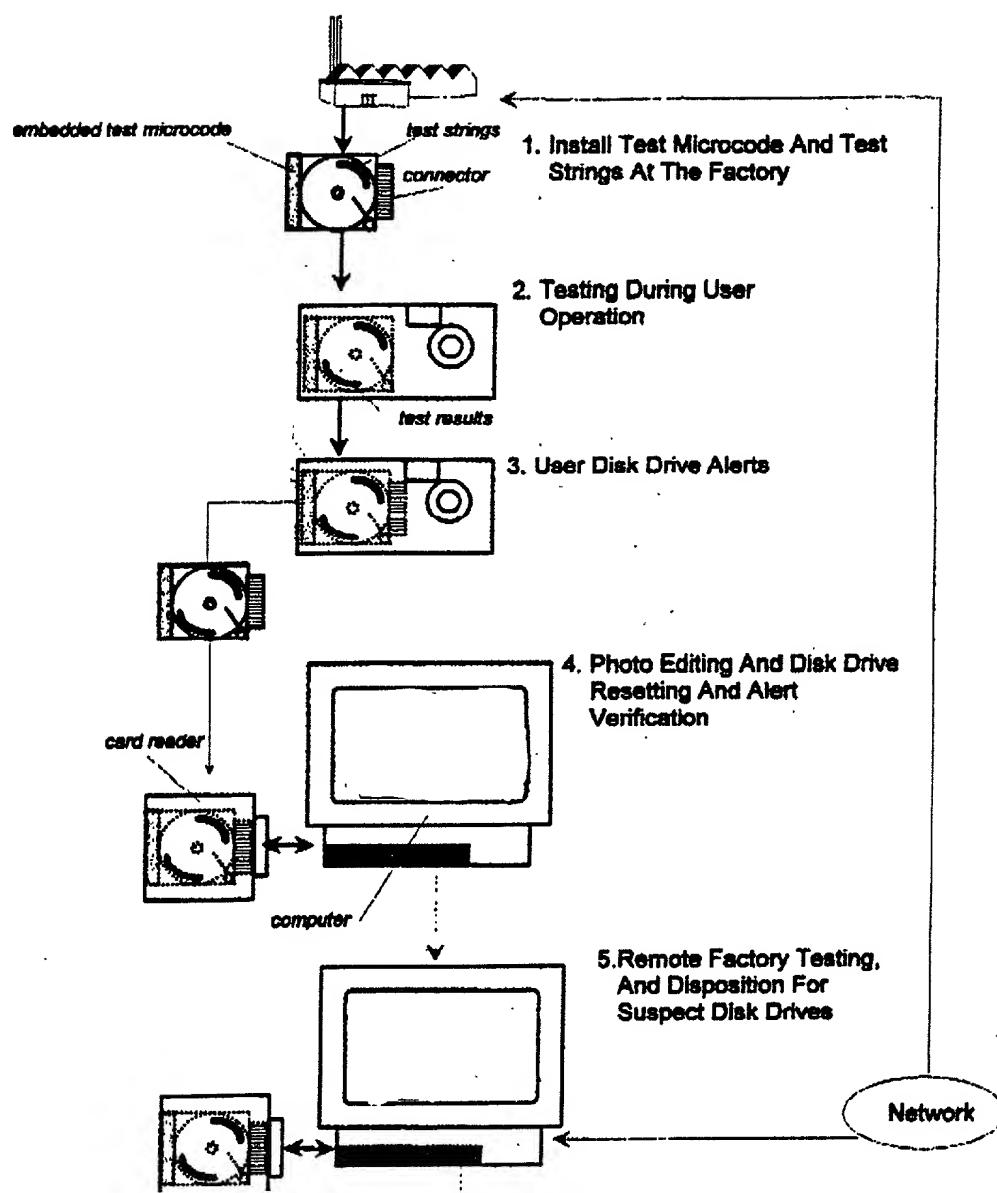
DIAGNOSTIC DRIVE RELIABILITY TRENDS

— Actuator Reliability      — Spindle Reliability      ..... Environmental Reliability





**FIGURE 10**



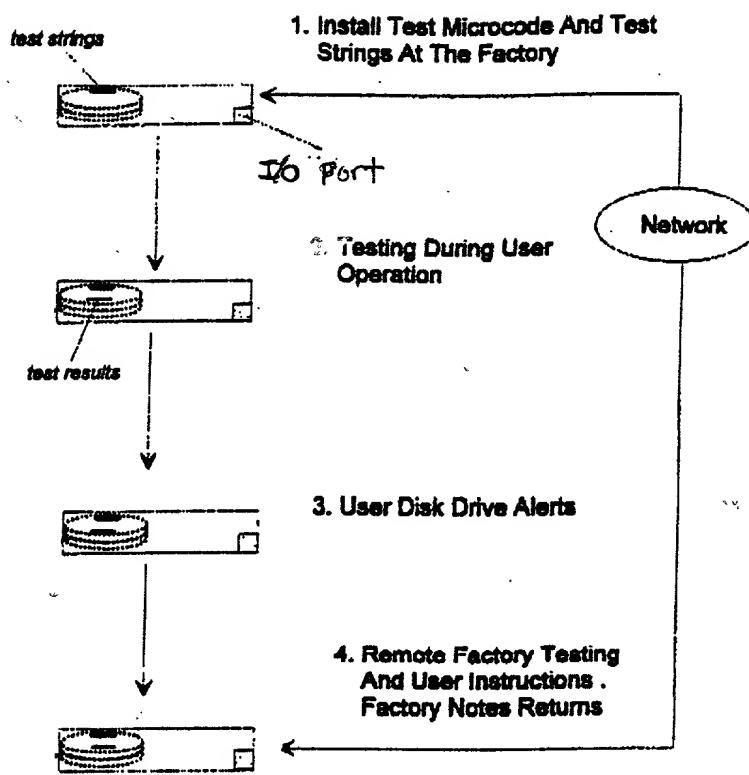


FIGURE 12